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Title: ELECTRIC NAIL DRIVING MACHINE ;
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ABSTRACT:

PURPOSE: To improve nail-driving work efficiency by exciting electromagnetic solenoid with capacitor's charging energy for enabling a nail to be driven at the time of removing the pressure holding the nail in nail-ejecting gate operating on a cycle basis so that the last one of a line of nails can be driven completely or perfectly.

CONSTITUTION: By exciting of No.2 electromagnetic solenoid 13, a plunger 12 is sucked in while compressing a spring 14, and at the same time, a nail-feeding pin 11 is moved in the direction of a magazine 8. When the last nail 6c of a continuous line of nails 6 is in the nail-ejecting gate 9, since this is the only nail, when the holding pressure applied by the nail-feeding pin 11 onto the nail 6c in the nail-ejecting gate 9 is removed, the nail 6c starts falling along the nail-ejecting gate's inside in the direction in which the gravity acts. And therefore, the nail 6c is driven by a plunger 1 combined with a bit into a unit immediately after removal of the pressure applied by the nail-feeding pin 11 for holding the nail in the nail-ejecting gate 9.